

CLAIMS

1. An optical receptacle comprising:

a fiber stub having a ferrule and an optical fiber in a through-hole of the ferrule;

5 a holder to which an rear end of the fiber stub is fixed; and

a sleeve for holding a plug ferrule in front of the fiber stub;

10 wherein a grip ring is provided on an outer side face in which the fiber stub and the sleeve are overlapped to each other.

2. The optical receptacle according to claim 1, wherein the grip ring is an elastic body.

15 3. The optical receptacle according to claim 1, wherein the grip ring is fixed to the holder.

4. An optical receptacle comprising:

a fiber stub having a ferrule and an optical fiber in a through-hole of the ferrule;

20 a holder to which an rear end of the fiber stub is fixed; and

a sleeve for holding a plug ferrule connectable with a front face of the fiber stub, the sleeve being holding a front end of the fiber stub;

25 wherein a thicker portion is formed at an end of the sleeve, and the fiber stub is inserted on the side of the thicker portion.

5. The optical receptacle according to claim 4, wherein a length of the thicker portion of the sleeve is shorter than an insertion length of the fiber stub.

30 6. The optical receptacle according to claim 4,

wherein the thicker portion is 1.5 to 2.5 times as thick as the other portion.

7. The optical receptacle according to claim 6, wherein the thicker portion has an inner diameter equal to that of the other portion and an outer diameter larger than that of the other portion.

8. The optical receptacle according to claim 4, wherein chamfer of a corner around a front end of the fiber stub is 0.1 mm or below.

9. An optical receptacle comprising:

a ceramic precision sleeve for holding a plug ferrule, wherein a metal holder is provided at a rear end of the precision sleeve, and a flange which is electrically insulated from the metal holder is provided on an outer face of the precision sleeve.

10. The optical receptacle according to claim 9, wherein a tier portion is formed on the outer face of the precision sleeve, and the flange is fixed to the precision sleeve in contact with the tier portion.

11. The optical receptacle according to claim 9, wherein the flange is made of an electric insulation material.

12. The optical receptacle according to claim 9, wherein the flange is fixed to the metal holder via a spacer made of an electric insulation material.

13. The optical receptacle according to claim 9, wherein a stub, which includes a ceramic ferrule of the same material as the precision sleeve and an optical fiber being inserted and held in the ferrule, is pressed and fixed into the precision sleeve.